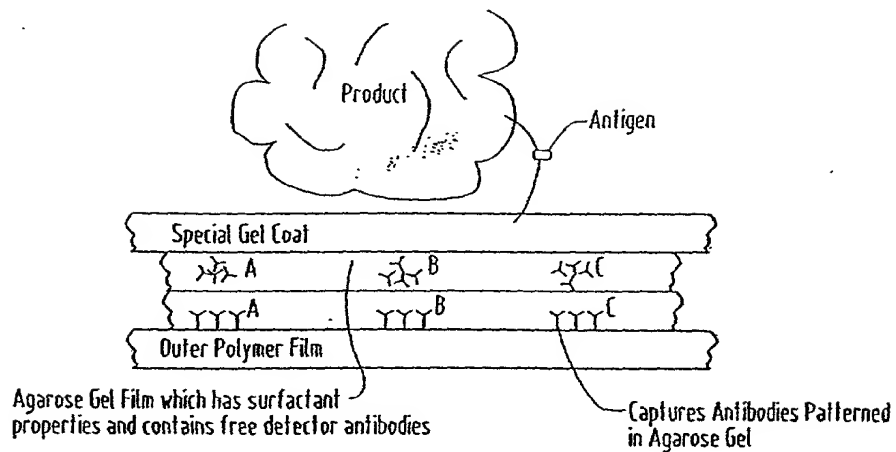


FIG. 1



Note: the approximate thickness of the antibody sandwich is 100 microns

FIG. 2

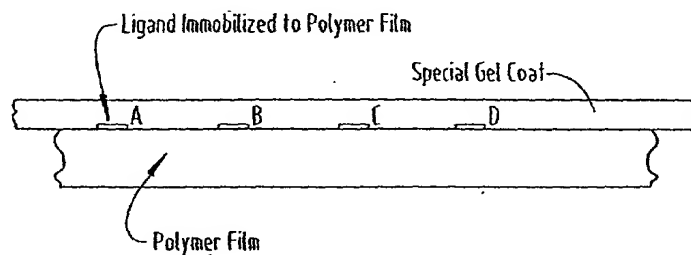
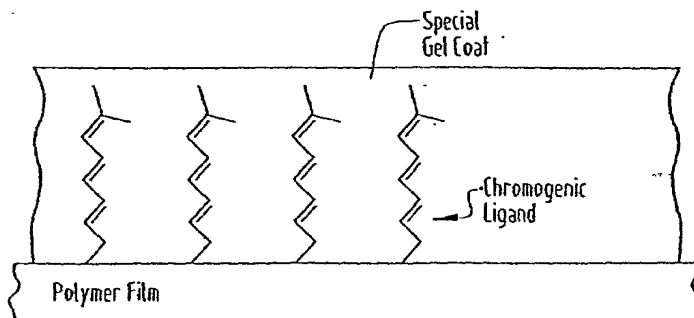
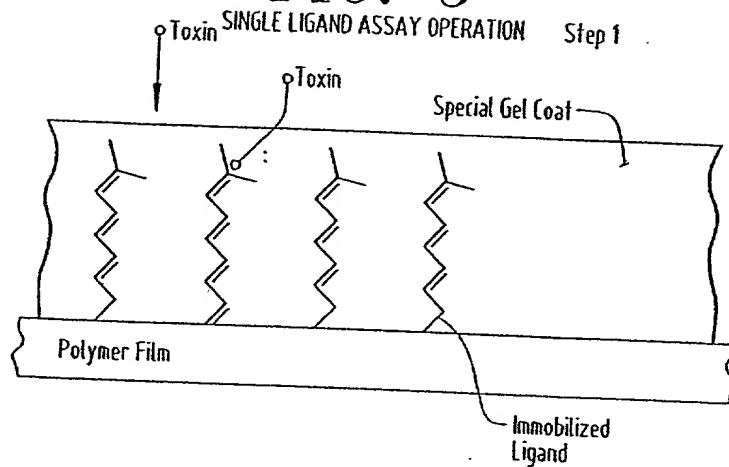


FIG. 2A

SINGLE LIGAND ASSAY CONSTRUCTION

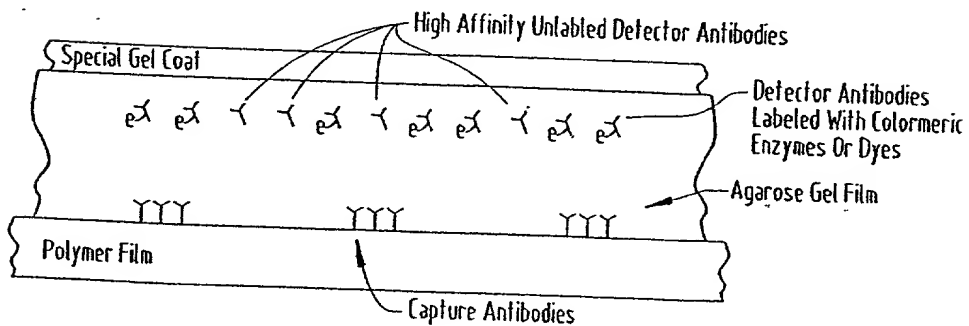


**FIG. 3**



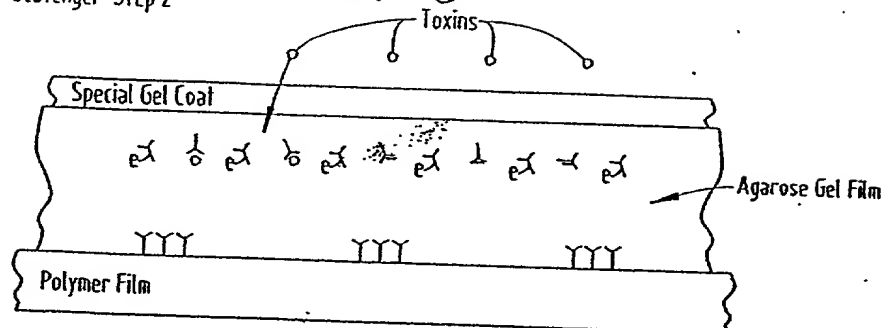
**FIG. 4**

TOXIN QUANTIFICATION BY SCAVANGER SYSTEM



Scavenger Step 2

FIG. 5



Scavenger Step 3

FIG. 6

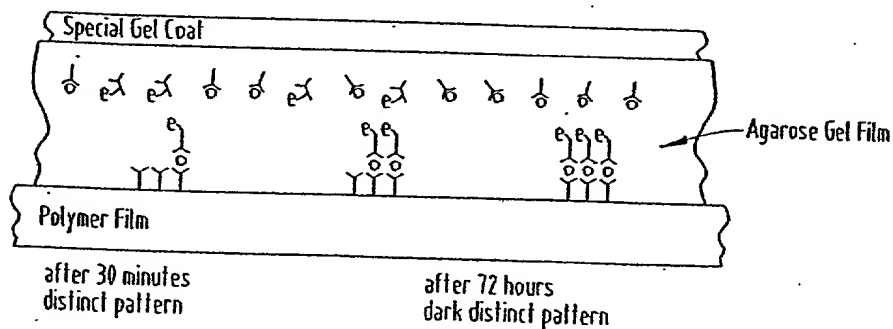
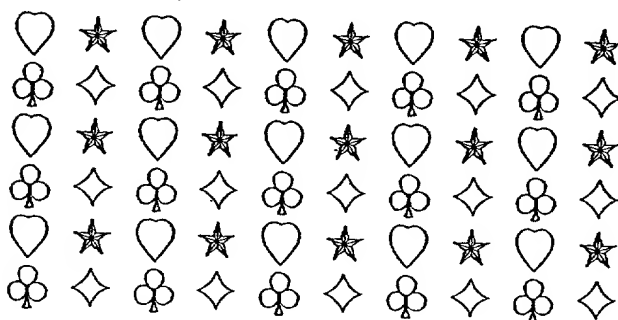


FIG. 7



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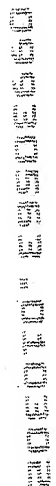


FIG. 9

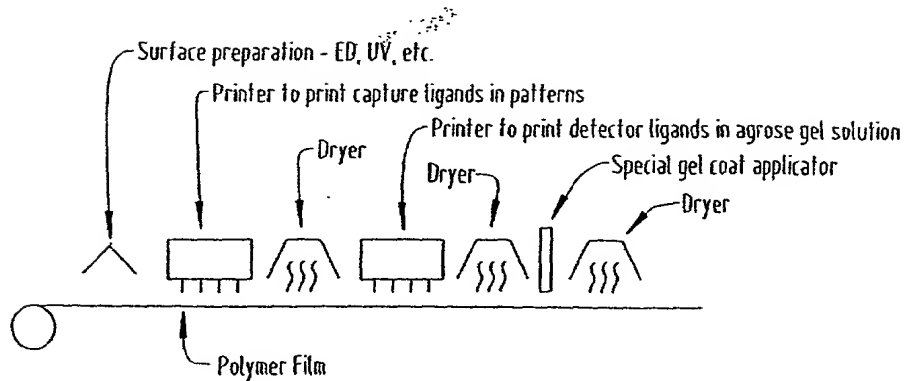
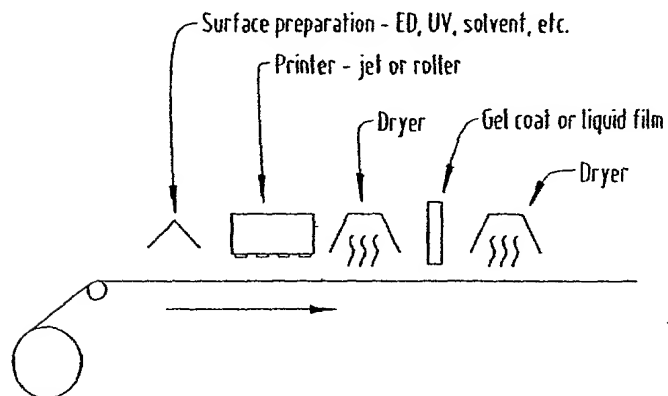
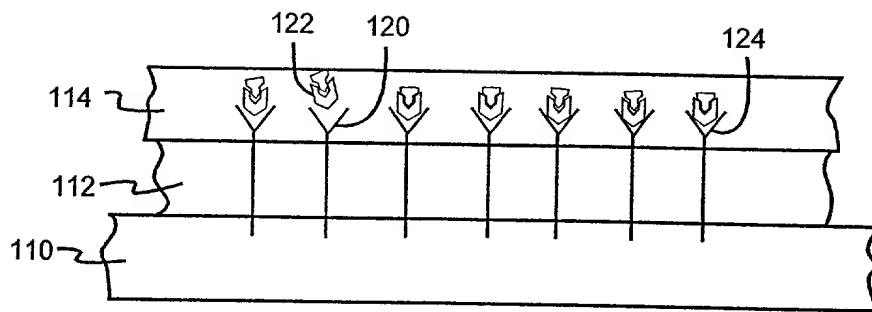


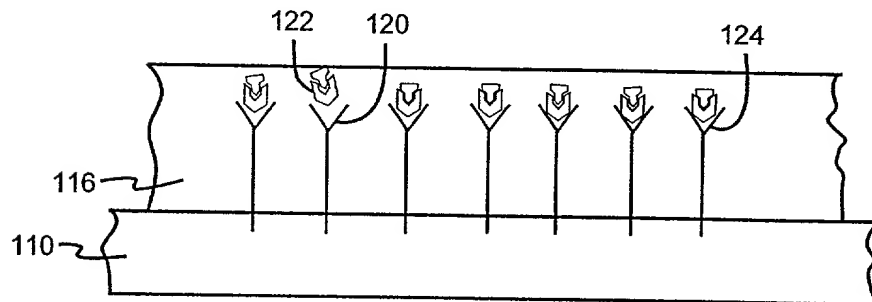
FIG. 10

GENERAL LAYOUT APPLICATION MACHINERY





**FIG. 11**

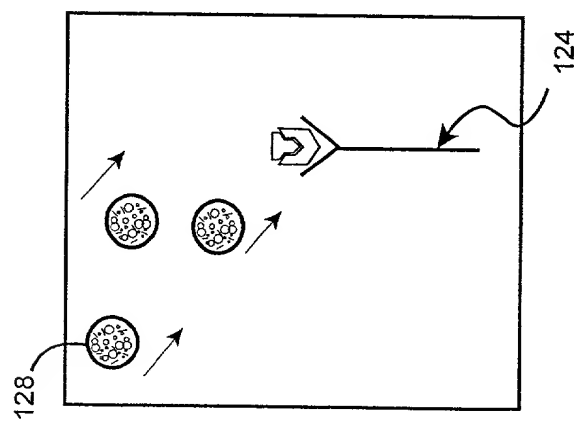


**FIG. 12**

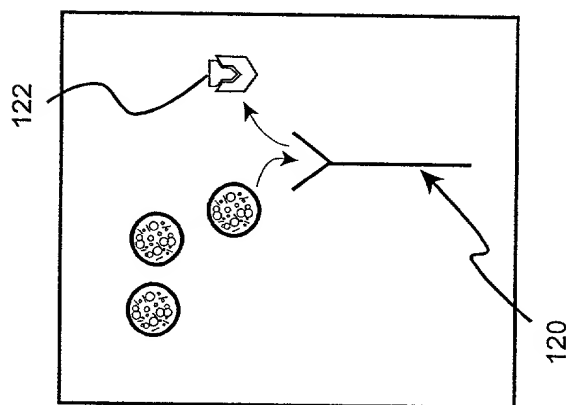
FIG. 1 is a schematic diagram of a shield-shaped protective device 110. The device features a central dashed 'X' shape 134 and several diagonal lines indicating structural elements or reinforcement.

FIG. 1 is a schematic diagram of a circular device 110. The device 110 has an irregular, roughly circular outer boundary. Inside the device 110, there is a central circular region 134. The region 134 is filled with diagonal hatching lines. Surrounding the central region 134 is a region 140, which is also filled with diagonal hatching lines. The region 140 is bounded by the outer boundary of the device 110 and the inner boundary of the central region 134. The device 110 is shown in a perspective view, with some lines indicating its three-dimensional nature.

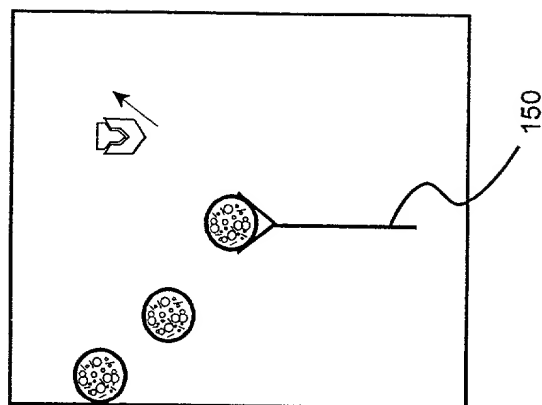
**FIG. 14B**



**FIG. 15A**



**FIG. 15B**



**FIG. 15C**